سلكوبلاست للكابلات ( ش.م.م. )
SELCOPLAST CABLES CO. (S.A.E)

# PRODUCT DATA SHEET

## Cable Description

| | | |
|---|---|---|
| ***Cable Size*** | : | *8X2X1.5mm $^2$ ( Fire Alarm )* |
| ***Standard Specification Applied To Cable*** | : | *BS 5308 - IEC 60228* |
| ***Rated Voltage*** | : | *300 / 500 Volt* |
| ***Cable Description*** | : | *Flexible copper conductor insulated with polyvinylchloride rated for 105 ċ , cores twisted to form pairs , wrapped by aluminium tape.These pairs twisted together, wrapped by aluminium tape ,and sheathed With flame retardant polyvinylchloride rated for 105 ċ. (CU/PVC/ALT/PVC)* |

## Conductor

| | |
|---|---|
| ***Standard Specification Applied To Conductor*** : | *IEC 60228* |
| ***NO. Of Cores per Cable*** : | *16 (8X2)* |
| ***Nominal Cross- Sectional Area Per core*** : | *1.5 mm$^2$* |
| ***Nominal Number Of Strands Per core*** : | *21* |
| ***Diameter Of Each Strand*** : | *0.30 mm* |
| ***Material Of Core*** : | *Copper* |
| ***Type*** : | *Class-5* |
| ***Cross- Sectional Area Of Each Strand*** : | *0.07065 mm $^2$* |
| ***Overall Diameter Of Conductor*** : | *1.6 mm* |
| ***D.C. Resistance Of Conductor At 20ċ Per Km (max.)*** : | 13.3 Ω/km |

## Insulation

***Material Of Insulation*** : *Polyvinyl Chloride 105ċ*

***Colour Per Core*** : .....

***Nominal Thickness Of Insulation Per Core*** : *0.70 mm*

***Min. Insulation Resistance Per Core Per Km Length Of Cable At 90ċ*** : *0.010 M ohm.Km*

***Test Voltage Between Cores And Earth ( AC KV . Time min )*** : *2000V for 5 min*

***Heat Resistance Test ( Temperature ċ . Time min )*** : *150 ċ for 1 hour*

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## Over Sheath

| | | |
|---|---|---|
| ***Material Of Outer Jacket*** | : | *flam retardant Polyvinyl Chloride 105ċ* |
| ***Thickness Of Outer Jacket*** | : | *1.3 mm* |
| ***Colour Of Outer Jacket*** | : | *Red* |

## Cable Dimension ( Nominal ) :

| | | |
|---|---|---|
| ***Approx. External Cable Diameter*** | : | *18.1 mm* |

***Company :*** ***SELCOPLAST CABLES***

***Q.C. Depatment***